

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Abbot, C[harles] G[reeley].

On periodicity in solar variation. Washington. 1918. p. 1, 8 p. incl. charts. tables. 24 $\frac{1}{2}$ cm. At head of title: Smithsonian miscellaneous collection, vol. 69, no. 6. (Publication 2498.)

Anfossi, G[iovanni].

Premières recherches sur l'évaporation d'un lac de l'Appennin génois. Grenoble. 1917. 15 p. 25 $\frac{1}{2}$ cm. (Extrait du Recueil des travaux de l'Institut de géographie alpine (Université de Grenoble). Tome 5, fasc. 1, 1917.)

Barber, Fred[erick] D[e los].

Indoor humidity. maps. chart. diagr. 23 cm. (Excerpted from Transactions of the Illinois academy of science, v. 10, 1917, p. 294-300.)

Batavia. Magnetisch en meteorologisch observatorium.

Regenwaarnemingen in Nederlandsch-Indië. Acht en dertigste jaargang. 1916. Deel 1-2. Batavia. 1917. 2 v. tables. 26 $\frac{1}{2}$ cm.

Blackwelder, Eliot.

The climatic history of Alaska from a new viewpoint. (Excerpted from Transactions of the Illinois academy of science, v. 10, 1917, p. 275-280.) 23 cm.

Galli, Ignazio.

Osservazioni inedite e rare di lampi e fulminazioni. Memoria settima. Roma. 1918. 61 p. illus. 28 $\frac{1}{2}$ cm. (Estratto dalle Memorie della Pontificia accademia Romana dei Nuovi Lincei, serie 2, vol. 3.)

Havana. Observatorio meteorológico, magnético y seísmico del Colegio de Belén de la Compañía de Jesús.

Año de 1917. Habana. 1918. 2 p. l., 14, 8 p. charts. tables. 36 cm.

Salmon, S. C.

Relation of the density of cell sap to winter hardiness in small grains, by S. C. Salmon and F. L. Fleming. Washington. 1918. plate. tables. 26 cm. (Reprinted from Journal of agricultural research, vol. 13, no. 10. p. 497-506.)

U. S. Mississippi river commission.

Stages of the Mississippi river and of its principal tributaries, for 1917 . . . St. Louis. 1918. lxiii, 79 p. incl. tables. 23 cm.

Wallén, Axel.

Vattenstånds-förutsägelserna. Granskning af 1917 års resultat och prognosser för år 1918. [Stockholm]. 1918. cover-title. 19 p. map. charts (part. fold.) tables. 20 $\frac{1}{2}$ cm. At head of title: Från hydrografiska byrån. (Sätryck ur Teknisk tidskrift, 1918. Väg och vattnebyggnadskonst. Häft. 3.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau:

Geographical journal. London. v. 52. July, 1918.

Close, Charles. The fluctuations of mean sea-level with special reference to those caused by variations in barometric pressure. p. 51-58.

Geographical review. New York. v. 6. July, 1918.

Recent developments in the theory of glacial variations. p. 75-76.

Medical times. New York. v. 46. July, 1918.

Radway, Jacques W. The electrification of atmospheric dust. p. 177-178.

Pan-American union. Bulletin. Washington. v. 46. June, 1918.

Reid, William A. Studying South American skies. p. 748-759. [Includes description of meteorological as well as astronomical observatories in South America.]

Physical review. Lancaster. v. 11. June, 1918.

Sanford, Fernando. On the formation of negatively electrified rain drops. p. 445-448.

Scientific American. New York. v. 119. July 13, 1918.

The fog problem in aviation. p. 26.

Scientific American supplement. New York. v. 87. 1918.

Blair, William R. Meteorology and aeronautics. The relation of topographic and climatic factors, p. 12-14. (July 6.) [Repr. from Report 13, U. S. Nat. adv. committee for aeronautics.]

Beebe, William. A Kashmir barrage of hail. p. 55. (July 27.) [Repr. Bull. N. Y. Zool. Soc.]

Symons's meteorological magazine. London. v. 53. February, 1918.

Mill, H[ugh] E[obert]. Gunfire in France, rainfall in England. p. 2-5.

Annales de physique. Paris. Tome 9, Mars-avril, 1918.

Boutaric, A. Contribution à l'étude du pouvoir absorbant de l'atmosphère terrestre. p. 113-203.

Archives des sciences physiques et naturelles. Genève. 123 année. 1918.

Maurer, Jules. Une périodicité remarquable des hautes pressions atmosphériques dans les Alpes en hiver. p. 349-355. (Mai.)

Mercanton, P[aul] L[ouis]. Les tires grêlifuges du vignoble de Lavaux (canton de Vaud) ont-ils été efficaces? p. 438-443. (Juin.)

Cuba. Observatorio nacional. Boletín oficial. Habana. Septiembre, 1917.

Carbonell, Luis García y. Huracan del 25 septiembre de 1917. p. 11-32.